OIPE JC43
MAY 13 2004
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	TANDEM PROCESS CHAMBER

Application Number: 10/680656
Confirmation Number: 5797
First Named Applicant: KEVIN FAIRBAIRN
Attorney Docket Number: AMAT1571C3
Art Unit: 1763
Search string: (5562383 or 5562387 or 5565034 or 5604443 or 5611655 or 5611861 or 5616208 or 5624536 or 5642978 or 5645391 or 5647724 or 5655060 or 5664926 or 5674039 or 5708755 or 5709519 or 5725352 or 5798016 or 5801945 or 5838121 or 5844195 or 5855681 or 5862823 or 5885356 or 5902088 or 5905302 or 5909994 or 5911834 or 5961269 or 6002971 or 6077157 or 6082950 or 6152070 or 6224312 or 6246923).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5562383	1996-10-08	IWAI, ET AL.			
	2	5562387	1996-10-08	ISHII, ET AL.			
	3	5565034	1996-10-15	NANBU, ET AL.			
	4	5604443	1997-02-18	KITAMURA, ET AL.			
	5	5611655	1997-03-18	FUKASAWA, ET AL.			
	6	5611861	1997-03-18	HIGASHI			
	7	5616208	1997-04-01	LEE			
	8	5624536	1997-04-29	WADA, ET AL.			
	9	5642978	1997-07-01	LAHNE, ET AL			
	10	5645391	1997-07-08	OHSAWA, E TAL.			
	11	5647724	1997-07-15	DAVIS, JR., ET AL.			
	12	5655060	1997-08-05	LUCAS			
	13	5664926	1997-09-09	SUSSMAN, ET AL.			

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	14	5674039	1997-10-07	WALKER, ET AL.
	15	5708755	1998-01-13	GRONET, ET AL.
	16	5709519	1998-01-20	UEHARA, ET AL.
	17	5725352	1998-03-10	TANAKA
	18	5798016	1998-08-25	OEHRLEIN, ET AL.
	19	5801945	1998-09-01	COMER
	20	5838121	1998-11-17	FAIRBAIRN, ET AL.
	21	5844195	1998-12-01	FAIRBAIRN, ET AL.
	22	5855681	1999-01-05	MAYDAN, ET AL.
	23	5862823	1999-01-26	KAMIKAWA, ET AL.
	24	5885356	1999-03-23	ZHAO, ET AL.
	25	5902088	1999-05-11	FAIRBAIRN, ET AL.
	26	5905302	1999-05-18	LANE, ET AL.
	27	5909994	1999-06-08	BLUM, ET AL.
	28	5911834	1999-06-15	FAIRBAIRN, ET AL.
	29	5961269	1999-10-05	KROEKER
	30	6002971	1999-12-14	LUCAS
	31	6077157	2000-06-20	FAIRBAIRN, ET AL.
	32	6082950	2000-07-04	ALTWOOD, ET AL.
	33	6152070	2000-11-28	FAIRBAIRN, ET AL.
	34	6224312	2001-05-01	SUNDAR
	35	6246923	2001-06-12	SUGIMURA, ET AL.

Remarks

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Signature

Examiner Name	Date
DMacAllister	4/20/05

OIPE JC16
MAY 13 2004
PATENT & TRADEMARK OFFICE

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	TANDEM PROCESS CHAMBER

Application Number: 10/680656
Confirmation Number: 5797
First Named Applicant: KEVIN FAIRBAIRN
Attorney Docket Number: AMAT1571C3
Art Unit: 1763
Search string: (4065369 or 4423303 or 4553069 or 4756815 or 4770590 or 4775281 or 4785962 or 4804431 or 4819167 or 4836733 or 4902099 or 4908095 or 4917556 or 4923584 or 4962726 or 4966519 or 4986715 or 5044752 or 5120019 or 5133284 or 5147175 or 5147724 or 5162047 or 5180276 or 5226632 or 5239182 or 5261935 or 5275303 or 5288379 or 5292393 or 5297910 or 5302209 or 5330301 or 5349154 or 5355066 or 5359177 or 5363872 or 5372471 or 5379984 or 5388944 or 5391035 or 5405230 or 5452521 or 5469035 or 5494494 or 5505779 or 5505799 or 5513946 or 5515986 or 5525160).pn.

US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4065369	1977-12-27	OGAWA, ET AL.			
	2	4423303	1983-12-27	HIROSE, ET AL.			
	3	4553069	1985-11-12	PURSER			
	4	4756815	1988-07-12	TURNER, ET AL.			
	5	4770590	1988-09-13	HUGUES, ET AL.			
	6	4775281	1988-10-04	PRENTAKIS			
	7	4785962	1988-11-22	TOSHIMA			
	8	4804431	1989-02-14	RIBNER			
	9	4819167	1989-04-04	CHENG, ET AL.			
	10	4836733	1989-06-06	HERTEL, ET AL.			

	11	4902099	1990-02-20	OKAMOTO, ET AL.
	12	4908095	1990-03-13	KAGATSUME, ET AL.
	13	4917556	1990-04-17	STARK, ET AL.
	14	4923584	1990-05-08	BRAMHALL, JR., ET AL.
	15	4962726	1990-10-16	MATSUSHITA, ET AL.
	16	4966519	1990-10-30	DAVIS, ET AL.
	17	4986715	1991-01-22	ASAKAWA
	18	5044752	1991-09-03	THURFJELL, ET AL.
	19	5120019	1992-06-09	DAVIS, JR.
	20	5133284	1992-07-28	THOMAS, ET AL.
	21	5147175	1992-09-15	TADA
	22	5147724	1992-09-15	ESCHWEY, ET AL.
	23	5162047	1992-11-10	WADA, ET AL.
	24	5180276	1993-01-19	HENDRICKSON
	25	5226632	1993-07-13	TEPMAN, ET AL.
	26	5239182	1993-08-24	TATEYAMA, ET AL.
	27	5261935	1993-11-16	ISHII, ET AL.
	28	5275303	1994-01-04	SZALAI
	29	5288379	1994-02-22	NAMIKI, ET AL.
	30	5292393	1994-03-08	MAYDAN, ET AL.
	31	5297910	1994-03-29	YOSHIOKA, ET AL.
	32	5302209	1994-04-12	MAEDA, ET AL.
	33	5330301	1994-07-19	BRANCHER
	34	5349154	1994-09-20	HARKER, ET AL.
	35	5355066	1994-10-11	LOWRANCE
	36	5359177	1994-10-25	TAKI, ET AL.
	37	5363872	1994-11-15	LORIMER
	38	5372471	1994-12-13	WU
	39	5379984	1995-01-10	COAD, ET AL.
	40	5388944	1995-02-14	TAKANABE, ET AL.
	41	5391035	1995-02-21	KRUEGER
	42	5405230	1995-04-11	ONO, ET AL.
	43	5452521	1995-09-26	NIEWMIERZYCKI
	44	5469035	1995-11-21	LOWRANCE
	45	5494494	1996-02-27	MIZUNO, ET AL.
	46	5505779	1996-04-09	MIZUNO, ET AL.

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	47	5505799	1996-04-09	MAKOWIECKI
	48	5513946	1996-05-07	SAWADA, ET AL.
	49	5515986	1996-05-14	TURLOT, ET AL.
	50	5525160	1996-06-11	TANAKA, ET AL.

Remarks

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FAIRBAIRN, ET AL.
Group Art Unit	1763
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/1571.C3/DSM/BCVD/JW
Submission Date	May 21, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	B1	EP 0 246 453 A2	11/25/1987	GENERAL SIGNAL CORP.		
	B2	EP 0 342 279 A1	11/23/1989	SUMITOMO METAL INDUSTRIES, LTD.		
	B3	EP 0 556 865 A1	08/25/1993	VARIAN ASSOCIATES, INC.		
	B4	DE 44 12 915 A1	11/10/1994	BALZERS AG		
	B5	FR 2 589 839	05/15/1987	GUILBAUD JEAN PIERRE		
	B6	JP HEI 7 [1995] 321178	12/08/1995	HITACHI		
	B7	JP 60-98628 W/ ENG. ABSTRACT	06/01/1985	MATSUSHITA ELECTRIC IND CO LTD		
	B8	JP 10004326 ENG. ABSTRACT	01/06/1998	NEC CORP		
	B9	JP 63230880 ENG. ABSTRACT	09/27/1988	CANON INC		
	B10	JP 4 186861 W/ ENG. ABSTRACT	07/03/1992	HITACHI LTD		
	B11	JP 2 52128 W/ ENG. ABSTRACT	02/21/1990	ISHIKAWAJIMA HARIMA HEAVY IND CO LTD		
	B12	JP 55-343	01/05/1980	N/A		
	B13	JP H09-163	01/07/1997	N/A		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FAIRBAIRN, ET AL.
Group Art Unit	1763
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/1571.C3/DSM/BCVD/JW
Submission Date	May 21, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
dm	C1	SHILLER, Z., et al., "Robot Path Planning with Obstacles, Actuator, Gripper, and Payload Constraints", The International Journal of Robotics Research, Vol. 8, No. 6, December 1989, pages 3-18.	
dm	C2	SHILLER, Z., et al., "Computation of Path Constrained Time Optimal Motions with Dynamic Singularities", Transactions of the ASME, Journal of Dynamic Systems, Measurement, and Control, March 1992, Vol. 114, pages 34-40.	
dm	C3	Novellus Brochure, Novellus Offerings, Solutions, 12 pages.	
dm	C4	Mattson Technology Brochure, 22 pages.	
dm	C5	EP Search Report for Application No. EP 97 11 8440 dated January 5, 1999.	
dm	C6	SLOTINE, J., et al., "Improving the Efficiency of Time-Optimal Path-Flowing Algorithms", IEEE Transactions on Robotics and Automation, Vol. 5, No. 1, February 1989, pages 118-124.	
dm	C7	Webster's Third New International Dictionary, Unabridged, Meriam Webster, 1993, pages 1199 and 1647.	
dm	C8	Roget's II, The New Thesaurus, Houghton Mifflin Co., 1988, pages 564, 712 and 883.	

Examiner dm Date Considered 4/20/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FIARBAIRN, ET AL.
Group Art Unit	1763
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/1571.C3/DSM/BCVD/JW
Submission Date	February 1, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DM	A1	US-5,344,482	09-06-1994	Maher, et al.	
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				
	A13				
	A14				
	A15				
	A16				
	A17				
	A18				

FOREIGN PATENT DOCUMENTS

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DM	B1	KR 1994-20491	09-16-1994	Hiroki, et al.		
	B2					
	B3					
	B4					
	B5					

Examiner DMacArthur Date Considered 4/20/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FIARBAIRN, ET AL.
Group Art Unit	1763
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/1571.C3/DSM/BCVD/JW
Submission Date	February 1, 2005

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
	C1	KOREAN INTELLECTUAL PROPERTY OFFICE, Notice to File a Response, dated December 9, 2004 (English translation).	

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known	
Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FIARBAIRN, ET AL.
Art Unit	1763
Examiner Name	SYLVIA MACARTHUR
Attorney Docket Number	AMAT 1571.C3/DSM/BCVD/JW

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SM	A1	US-5,558,717	09/24/1996	Zhao, et al.	
SM	A2	US-4,886,570	12/12/1989	Davis, et al.	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			
	A19	US-			
	A20	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
SM	B1	JP 5166733	07/02/1993	Tabata Izumi, et al.		X
SM	B2	JP 8074028	03/19/1996	Hideo, et al.		X
	B3					
	B4					
	B5					
	B6					
	B7					
	B8					
	B9					

Examiner Signature	SMacArthur	Date Considered	4/20/05

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SUPPLEMETAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

Complete if Known	
Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FAIRBAIN, ET AL.
Art Unit	1763
Examiner Name	Unknown
Attorney Docket Number	AMAT/1571.C3/DSM/BCVD/JW

2/28/2005
2/2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
JW	C1	KOREAN INTELLECTUAL PROPERTY OFFICE, Notice to File a Response, dated February 2, 2005, (AMAT/1571 KORS 09) Application No. 10-1997-0060326	X
JW	C2	KOREAN INTELLECTUAL PROPERTY OFFICE, Notice to File a Response, dated February 3, 2005, (AMAT/1571 KORS 11) Application No. 10-1997-0060327	X
	C3		
	C4		
	C5		
	C6		
	C7		
	C8		
	C9		
	C10		
	C11		

Examiner Signature		Date Considered	4/20/05

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[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FIARBAIRN, ET AL.
Art Unit	1763
Examiner Name	SYLVIA MACARTHUR
Attorney Docket Number	AMAT 1571.C3/DSM/BCVD/JW

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-5,525,160	06/11/1996	Tanaka, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	B1	JP 3019252	01/28/1991	Tepman, et al.		X
	B2	EP 0 398 365 A2	11/22/1990	Tepman		X

Examiner Signature		Date Considered	4/20/05

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4/11/2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known	
Application Number	10/680,656
Filing Date	OCTOBER 6, 2003
First Named Inventor	FIARBAIRN, ET AL.
Art Unit	1763
Examiner Name	SYLVIA MACARTHUR
Attorney Docket Number	AMAT 1571.C3/DSM/BCVD/JW

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
SM	C1	KOREAN INTELLECTUAL PROPERTY OFFICE, Notice to File A Response, dated January 29, 2005, (AMAT/1571 KORS 02) Application No. 10-1997-0060325	X

Examiner Signature	SMacArthur	Date Considered	4/20/05

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